

Curriculum

for the Master's degree programme in Information Management

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Curriculum for the Master's degree programme in

Information Management

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Section 1 General

- (1) The Master's degree programme in Information Management is equivalent to 120 ECTS credits. This equates to an anticipated study duration of four semesters. The Master's degree programme in Information Management is assigned to the group of Social Sciences and Economics pursuant to Section 54 (1) of the Universities Act 2002 (hereinafter UG).
- (2) The workload for the individual course units is indicated in ECTS credits; the workload for one year should amount to 1,500 full hours, for which 60 ECTS credits are awarded (Section 54 (2) UG). The workload comprises independent study as well as the semester hours/contact hours, including participation in assessment procedures.

Section 2 Competency profile

- (1) The competency profile describes the academic and professional skills that students gain by completing the degree programme.
- (2) **Initial situation:** Both business and society are increasingly being shaped by the use of digital information and communication technology. An inevitable consequence of this is that companies have an ever-increasing need for employees with professional training orientated towards the state of the art in both research and practice. The Master's degree programme in Information Management at the University of Klagenfurt places particular emphasis on the combination of specialist business knowledge and IT expertise. It thus strives to convey the knowledge required to manage modern internal information systems as well as those in inter-company networks from both a business and IT perspective. This provides graduates from the Information Management Master's degree programme with the best possible preparation for a career in the design, construction, maintenance and development of business information systems.
- (3) **Definition:** Information Management is defined as the management of corporate information with modern information and communication systems. Information Management covers all information-related planning, implementation and verification tasks in a company.
- (4) **Intended learning outcomes and competency:** The Master's degree programme in Information Management consists of both theoretical studies and critical reflection of how this knowledge is applied in practice. Graduates of the Master's degree programme should be equipped to develop information technology solutions from a business perspective and apply them in practice, beyond the scope of the Bachelor's degree programme. They should also be encouraged to carry out their own research. Using selected examples, these competencies are described below in the form of learning outcomes: By completing the required subjects *Informatics*, *Information Systems*, *Information and IT Management* and the elective *Specialisation in Information Management*, graduates should be in a position to assume responsibility for the entire internal information system of a company, including the necessary informatics solutions. The focus is on the areas of design, introduction and maintenance, as well as the ongoing development of information systems in companies. In regard to the development of commercial information systems, students acquire the necessary skills to manage interfaces between business applications and system technology, from requirements analysis to specification through to system design and, with this in mind, control and support the development process on a project-by-project basis. Ultimately,

they should be able to develop smaller business software applications on their own. These competencies are also consolidated by the option to complete work experience within the framework of the study programme, allowing knowledge gained to be directly implemented during the Master's degree programme. The economic knowledge, methods and techniques gained in the elective *Specialisation in Business Economics* enable students to carry out management duties and act at the point of intersection between information technology and business applications. Likewise, students are able to analyse and classify typical business-related issues and develop appropriate solutions. As part of the *Complementary Skills* and *Advanced Social and Academic Skills* subjects, students can familiarise themselves with the challenges of a humane and gender-equal society in transition and help to master them as they arise in business practice. Finally, they can work scientifically and also implement this skill in commercial practice. Furthermore, students are prepared for further university training as part of a Doctoral degree programme.

- (5) **Professional fields and fields of activity:** The career opportunities available to graduates revolve around leadership duties in middle and upper management for private sector companies and organisations, socio-economic organisations and public sector companies and authorities as well as professional activities at university and non-university research institutes. The range of careers for graduates of the Information Management Master's degree programme is - as is generally the case with business-related studies - very wide-ranging. The fields of work range from technical areas such as IT services, software development or data science to fields of business administration such as production and logistics, marketing, controlling, energy management, innovation management and entrepreneurship. The knowledge acquired can be used in various sectors of the economy or in public administration.
- (6) **General structure:** The aim of the Information Management Master's degree programme is to both expand economic knowledge through the selection of a specialisation in business economics and deepen specialist knowledge in the field of informatics, information systems and information and IT management.
- (7) **Practical component:** Constantly changing conditions, declining planning security and increasing digitalization often represent a particular challenge for companies. With this in mind, the Master's degree programme in Information Management focuses specifically on the practical relevance of the concepts and skills it conveys. This is mainly achieved through:
 - Lecturers from business and administration.
 - Current economic research questions in projects, courses and in the Master's thesis.
 - Furthermore, subject-related work placements related to the various applications of information management can be completed at domestic or international companies, with public administrations or non-profit organisations or research institutions.

Section 3 Admission requirements

- (1) The admission to the Master's degree programme is conditional on the successful completion of a relevant Bachelor's degree programme, a relevant university of applied science Bachelor's degree programme or another equivalent programme at a recognised domestic or international post-secondary educational institution (Section 64 (3) UG). The Information Management Bachelor's degree programme at the University of Klagenfurt is classed as relevant in any case. With regard to the Bachelor's degree programme "Applied Informatics" at the University of Klagenfurt, equivalence is restricted in that it must be either curriculum version 12W or version 17W, the students must provide evidence of the specialisation business informatics in their Bachelor's degree programme and must complete the supplementary subject listed in section 9 (electives/elective subjects) as part of the Master's degree programme.
- (2) Furthermore, the following qualitative admission conditions are stipulated for the Master's degree programme: Students who have completed a Bachelor's degree programme or an equivalent degree programme at a domestic or foreign university, a university of applied science or another recognised post-secondary educational institution are admitted to the Master's degree programme if they provide evidence of the following knowledge to the extent stated:
 - a. Technical knowledge in informatics subjects/business informatics subjects totalling a minimum of 30 ECTS credits
 - b. Knowledge in business administration subjects totalling a minimum of 30 ECTS credits
 - c. Knowledge of the relevant principles in mathematics and statistics totalling a minimum of 12 ECTS credits.
- (3) If the prerequisites specified under paras. 1 or 2 above are not met and there are only a few areas that are missing, the Rectorate may allow admission on the condition that the student passes certain examinations which achieve equivalence (Section 64 (3) UG).

Section 4 Degree

Graduates of this Master's degree programme will be awarded the academic title "Master" accompanied by the words "of Science" (abbreviated to "MSc"). If this title is used, it must be placed after the name.

Section 5 Structure and organisation of the degree programme

The required subjects, the electives and the options must be completed as part of the Information Management Master's degree programme. In addition, a Master's Thesis (24 ECTS credits) must be written and the associated research seminar (2 ECTS credits) must be completed. Table 1 shows the programme structure.

Table 1: Structure of the Master's degree programme in *Information Management*

Subject/ course unit	Subject reference		Intended learning outcomes	ECTS credits
Required subjects	1	Informatics	<p>Following successful completion of this subject, students will be able to:</p> <ul style="list-style-type: none"> Analyse data engineering issues and develop solutions. Implement advanced concepts and content relating to software engineering, software project management and process improvement in practice. Explain and apply fundamental concepts, techniques and areas of interest in knowledge engineering. 	12
	2	Information Systems	<p>Following successful completion of this subject, students will be able to:</p> <ul style="list-style-type: none"> State the basic structure and areas of use for process management and workflow management systems (WfMS) and model business processes and workflows and implement them in WfMS. Explain and analyse problems in decision-making processes and apply information systems and techniques to decision making. Explain and apply areas of interest, concepts and problem-solving strategies from specific branches of information systems. 	12
	3	Information and IT Management	<p>Following successful completion of this subject, students will be able to:</p> <ul style="list-style-type: none"> Apply concepts and techniques from specific branches of systems security. Manage IT projects and introduce IT management methods in the business world. Explain and apply areas of interest, concepts and problem-solving strategies from specific branches of information management and IT management. 	12
	4	Complementary Skills	<p>Depending on the selected courses, following successful completion, students will be able to:</p> <ul style="list-style-type: none"> Go further into the Master's thesis topic and assess the scientific results on this topic. Engage constructively with gender aspects and anti-discrimination within companies and scientific work or apply research methods. 	4

Elective subjects	5	Specialisation in Information Management	<p>Depending on the selected courses, following successful completion of the subject, students will be able to:</p> <ul style="list-style-type: none"> • Understand and apply fundamental methods of data acquisition, knowledge representation and automatic inference of recommendation technologies as well as machine learning and data science. • Explain the benefits and areas of use of information systems. Develop and/or adapt information systems and implement methods and techniques for achieving interoperability between information systems. • Implement advanced concepts and techniques from specific branches of systems security. • Apply methods and techniques of human-machine interaction. • Explain and apply methods, techniques and tools for analysing and continually improving the quality of information systems. • Evaluate and apply linguistic concepts and principles. 	16
	6	Specialisation in Business Economics	<p>Depending on the selected specialist course, following successful completion of this subject, students will be able to:</p> <p><u>Selection: 6.1. Quantitative Management</u></p> <ul style="list-style-type: none"> • Understand and apply quantitative methods and interpret their results as well as derive specific action recommendations. • Analyse issues in supply chain management, risk management and value-based management, develop suggested solutions and implement them. <p><u>Selection: 6.2. Controlling & Strategic Company Management</u></p> <ul style="list-style-type: none"> • Understand and apply operative and strategic analytical tools and interpret their results and derive action recommendations. • State the issues in controlling and systematically analyse them, apply and configure the associated tools and (information) systems. 	16

		<p><u>Selection: 6.3. Innovation Management and Entrepreneurship</u></p> <ul style="list-style-type: none"> • Describe the importance of innovation and entrepreneurship in a business and macroeconomic context. • Explain the fundamental theories in their own words. • The use of case studies and the work on one's own project requires entrepreneurial thinking and behaviour, creativity and problem-solving expertise. This also enables students to put theoretical considerations into practice. <p><u>Selection: 6.4. Operations Management and Logistics</u></p> <ul style="list-style-type: none"> • Analyse and improve business processes and supply chain processes. • Carry out production simulations, material requirements planning, and inventory management and inventory controlling. <p><u>Selection: 6.5. Service Management</u></p> <ul style="list-style-type: none"> • Recognise the importance of services, as well as their productivity, quality and costs. Apply the principles of service management. • Plan and develop services. <p><u>Selection: 6.6. Marketing</u></p> <ul style="list-style-type: none"> • Understand the decisions made by consumers and their behaviour and analyse their psychological, social and cultural determinants. • Make strategic and operative marketing decisions with a particular focus on communication and advertising. <p><u>Selection: 6.7. Sustainable Energy Management</u></p> <ul style="list-style-type: none"> • Identify and manage the economic, political, technological and social conditions of a sustainable energy system. Evaluate and implement projects in the field of sustainable energy management. 	
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	7	Internship, Advanced Social and Academic Skills or Supplementary Subject	<p>Depending on the student's choice or that specified by the Programme Director if a student needs to complete a supplementary subject instead of the internship or Advanced Social and Academic Skills, then following the successful completion of the subject, students will be able to:</p> <p><u>Selection: 7.1. Internship</u></p> <ul style="list-style-type: none"> Plan and implement a project in the business world. <p><u>Selection: 7.2. Advanced Social and Academic Skills</u></p> <ul style="list-style-type: none"> Constructively engage with ethical issues, social diversity, gender aspects and anti-discrimination within companies and/or Understand and apply relevant technical and/or business methods and techniques and interpret their results. <p><u>Specification: 7.3. Supplementary Subject</u></p> <ul style="list-style-type: none"> Understand, classify, critically reflect upon, apply and interpret the fundamental technical and/or economic content for the Master's degree programme. 	16
Options	8	Options (optional subjects)	After successfully completing the subject, students are able to acquire and apply further specific, in-depth individual skills.	6
Master's thesis	9	Master's thesis (incl. research seminar)	<p>Students will be able to:</p> <ul style="list-style-type: none"> Research and summarise the latest science and technology in sub-areas of information management. Apply the findings to problem-solving. Validate the solutions and compare them with other solutions. Describe, present and discuss the problems and their solutions along with the results of the validation process in the Master's thesis. 	26
Final overall examination	10	Final overall examination		
				Total: 120

Section 6 Semester abroad/mobility

During the Master's degree programme in Information Management, particular emphasis is placed on promoting the mobility of the students. Through intercultural exchange and the acquisition of language skills, graduates are prepared in the best possible way for careers in a globalised economy. Students are therefore encouraged to spend one semester at an international post-secondary educational institution. This will usually occur during the second or third semester of the Master's degree programme. Existing offers, such as existing Erasmus+ or double degree agreements in the field of information management, should ideally be used for this. Note the minimum and maximum number of ECTS credits with regard to mobility for Erasmus+ or double degree agreements. In the case of double degree programmes that are relevant for study, the specified agreements relating to examinations must be observed.

It is also advisable to obtain a "pre-recognition notice" according to Section 78 (6) UG for the recognition of examinations at international institutions from the Programme Director before commencing your studies abroad.

Section 7 Types of course

- (1) **Lectures (German abbreviation VO)** are courses by which knowledge is transferred by means of talks given by lecturers. The examination takes place as a one-off (written and/or oral) examination.
- (2) **Courses with ongoing assessment** are courses in which the assessment does not take place as a one-off examination, but on the basis of written and/or oral contributions by the participants. If, in the framework of a course with ongoing assessment, a seminar paper or a paper requiring a comparable degree of effort is to be written, papers for courses taking place in the winter semester can be submitted up until the following 30 June; papers for courses taking place in the summer semester can be submitted up until 31 January of the following year.
- (3) Courses with ongoing assessment comprise:
 - a) **Lecture with workshop (German abbreviation VO):** These courses consist of a lecture component and a workshop component in which the presented material is applied.
 - b) **Interactive lecture (German abbreviation VI):** This is a course with ongoing assessment which initially has the character of a lecture, however, based on interactive learning methods (particularly blended learning approaches), content is also prepared by the students themselves and lecturers and students interact via an e-learning platform. The e-learning makes up at least 30 percent of the course workload.
 - c) **Workshop (German abbreviation KS):** Workshops are application-oriented courses which give students the ability to solve specific tasks. The designation workshop (KS) in this curriculum is used synonymously with the standardised course type exercise class (German abbreviation UE) in related curricula.
 - d) **Practical work (PR):** In addition to scientific education and professional education and training, practical work contributes to the practical and professional objectives of the degree programme. Particular emphasis is placed on working on real tasks and projects. In terms of work experience, a project study is practical work

in which small, applied research or development work is carried out in consideration of all necessary work steps, ideally as a team. A written assignment documenting the course of the project and its results is an inherent part of a project study.

- e) **Seminar (German abbreviation SE):** Seminars are used to reflect upon and discuss specific academic problems and work. Students make their own oral and written contributions, whereby written work must exhibit an independent academic character both in terms of form and content.
- f) **Private tutorial (German abbreviation PV):** The purpose of the private tutorial is to provide ongoing supervision and quality assurance to students as they write their Master's thesis.

Section 8 Courses for required subjects

Required subjects are subjects significant to the degree programme for which examinations must be taken. The courses for the required subjects can be found in the following table (Table 2). A total of 40 ECTS credits must be obtained from required subjects.

Table 2: Required subjects and assigned courses

<i>Subject</i>	<i>Course code</i>	<i>Course type</i>	<i>ECTS credits</i>
1. Informatics	1.1 Data Engineering	VC	4
	1.2 Fundamentals of Knowledge Engineering	VC	4
	1.3 Advanced Software Engineering	VC	4
			Total: 12
2. Information Systems	2.1 Process Management	VC	4
	2.2 Decision Support Systems	VC	4
	2.3 Current Topics in Information Systems	VC/KS/SE	4
			Total: 12
3. Information and IT Management	3.1 IT Management	VC	4
	3.2 System Security	VC	4
	3.3 Current Topics in Information and IT Management	VC/KS/SE	4
			Total: 12
4. Complementary Skills	4.3 Selection of one of the following courses:	VC/KS /SE	4
	4.3.1 Additional Seminar		
	4.3.2 Research Methods		
	4.3.3 Courses from the elective programme in Feminist Sciences/Gender Studies		
			Total: 4

Section 9 Courses for elective subjects

- (1) Electives are subjects that students are able to select according to the regulations of the curriculum. A total of 48 ECTS credits must be obtained from electives.
- (2) The courses for the electives can be found in tables 3, 4 and 6 (see para. 3, 4 and 5).
- (3) **Specialisation in Information Management:** The purpose of electives is to extend the knowledge, methods and skills in information management. Table 3 describes the requirements for this elective subject.

Table 3: Specialisation in Information Management

	<i>Description</i>	<i>Course type</i>	<i>ECTS credits</i>
5. Specialisation in Information Management	<p>Specialist courses from the Master's degree programme in Information Management totalling 16 ECTS credits must be passed. The required 16 ECTS credits in specialist courses may also come from the Master's degree programme in Informatics by the University of Klagenfurt. Courses in the following specialist topics are recommended:</p> <ul style="list-style-type: none"> - Artificial Intelligence - Business Information Systems - Data Science and Engineering - Human-Computer Interaction - Information and System Security - Software Engineering <p>In particular, subject-specific course examinations which are completed during a study period abroad may also be recognised as part of these specialist courses (see Section 6).</p>	VO/VC/KS	16
			Total 16

- (4) **Specialisation in Business Economics:** Exactly one subject from the alternatives presented in Table 4 has to be selected.

Table 4: Specialisation in Business Economics

6. Specialisation in Business Economics	<i>Course title</i>	<i>Course type</i>	<i>ECTS credits</i>
6.1 Quantitative Management	6.1.1 Value Based Management	VC	2
	6.1.2 Supply Chain Planning	VC	4
	6.1.3 Quantitative Methods	VC	4
	6.1.4 Risk Management	VC	2
	6.1.5 Exercises and Quantitative Methods in Production and Operations Management	VC	4
			Total 16

6.2. Controlling & Strategic Company Management	6.2.1 Controlling and Strategic Company Management	VO	4**
	6.2.2 Controlling and Behaviour Management	VO	4**
	6.2.3 Case Studies on Controlling and Strategic Company Management	KS	4
	6.2.4 Controlling Applications	KS	4
	6.2.5 Controlling and Strategic Company Management	Modular examination	8**
			Total: 16
6.3. Innovation Management and Entrepreneurship	6.3.1 Innovation Management and Entrepreneurship 1	VO/VI/VC/KS/SE	4
	6.3.2 Innovation Management and Entrepreneurship 2	VO/VI/VC/KS/SE	4
	6.3.3 Innovation Management and Entrepreneurship 3	VI/VC/KS/SE	4
	6.3.4 Innovation Management and Entrepreneurship 4	VI/VC/KS/SE	4
			Total: 16
6.4. Operations Management and Logistics	6.4.1 Special Topics in Operations Management and Logistics	VC	2
	6.4.2 Exercises and Quantitative Methods in Production Management	KS	4
	6.4.3 Exercises and Quantitative Methods in Business Logistics	KS	4
	6.4.4 SAP in Operations Management	VC	2
	6.4.5 Operations Management and Logistics	Modular examination	4
			Total: 16
6.5. Service Management	6.5.1 Strategic Service Management	VO	4**
	6.5.2 Market-Oriented Service Management	VO	4**
	6.5.3 Special Topics Service Management Courses from the specialisation in Service Management totalling 8 ECTS credits must be completed, which are different to the courses in 6.5.1 and 6.5.2.	VI/VC/KS/SE	8
	6.5.4 Service Management	Modular examination	8**
			Total 16

6.6. Marketing	6.6.1 Consumer Behaviour (specialisation)	VC	2
	6.6.2 Consumer Behaviour and Media	VC	2
	6.6.3 Special Topics in Consumer Behaviour	VC	4
	6.6.4 Cases in Consumer Behaviour	VC	4
	6.6.5 Marketing	Modular examination	4
			Total 16
6.7. Sustainable Energy Management	6.7.1 Energy Management	VC	4
	6.7.2 Energy Industry and Policy	VO	4**
	6.7.3 Energy Technologies	VC	4
	6.7.4 Innovation & Entrepreneurship	KS	4
	6.7.5 Sustainable Energy Management	Modular examination	4**
			Total 16

** The modular examination tests the knowledge and skills imparted in the lecture(s). The modular examination is recorded as the total ECTS credits from the lecture(s).

(5) **Internship, Advanced Social and Academic Skills or Supplementary Subject:** Exactly one subject from the alternatives (Internship, Advanced Social and Academic Skills or Supplementary Subject) presented in Table 6 has to be selected. The options to choose from are, however, restricted based on the student's Bachelor's degree (see Table 5).

Table 5: Options depending on Bachelor's degree

<i>Programme</i> / <i>Module</i>	<i>Internship</i>	<i>Advanced Social and Academic Skills</i>	<i>Supplementary Subject</i>
Bachelor's degree programme in Information Management at the University of Klagenfurt or equivalent Bachelor's programme according to Section 3 para. 1	X	X	
Bachelor's degree programme in Applied Informatics at the University of Klagenfurt (curriculum versions 12W or 17W) with specialisation in business informatics			X
Another relevant Bachelor's degree programme	The Programme Director decides on the elective subjects when reviewing the application for admission to the Master's degree programme.		

Note: "X" means that exactly one of the subjects (if there are several options) has to be selected, depending on the Bachelor's degree.

Table 6: Internship, Advanced Social and Academic Skills or Supplementary Subject

7. Internship, Advanced Social and Academic Skills, Supplementary Subject	Course code	Course type	ECTS credits
7.1. Internship	7.1.1 Internship	PR	15
	7.1.2 Cross-Project Review	SE/PR	1
			Total: 16
7.2. Advanced Social and Academic Skills	7.2.1 Advanced Social and Academic Skills 1 Students can select courses totalling 8 ECTS credits from the following catalogue: <ul style="list-style-type: none"> • Scientific Writing • Reflecting on the Limits of Formal Sciences • Courses from the Informatics and/or Applied Business Administration Master's degree programmes at the University of Klagenfurt, which have not yet been taken as part of the required subjects or other electives. In particular, subject-specific course examinations which are completed during a study period abroad, may also be recognised as part of Advanced Social and Academic Skills 1 (see Section 6).	VO/VC/KS/SE	8
	7.2.2 Advanced Social and Academic Skills 2 Students can select 8 ECTS credits from the following catalogue: <ul style="list-style-type: none"> • Diversity Management • Business Ethics • Anti-Discrimination Law • Courses from the elective programme in Feminist Sciences/Gender Studies, preferably from the Gender and Technology module • Courses from the elective module of Sustainable Development • Courses from the Informatics and/or Applied Business Administration Master's degree programmes at the University of Klagenfurt, which have not yet been completed as part of the required subjects or other electives. In particular, subject-specific course examinations which are completed during a study period abroad may also be recognised as part of Advanced Social and Academic Skills 2 (see Section 6).	VO/VC/KS/SE	8
			Total: 16

7.3. Supplementary Subject	Depending on the student's classification according to Section 3, para. 2 and/or 3, a supplementary subject may need to be completed. For the supplementary subject, courses from the required subjects for the Bachelor's degree programme in Information Management at the University of Klagenfurt totalling 16 ECTS credits must be completed. Note that the supplementary subject courses must always be determined in advance with the Programme Director.	VO/VC/KS	16
			<i>Total: 16</i>

Section 10 Options

- (1) Options (optional subjects) are courses that can be freely chosen from a range of course offerings at recognised domestic or international post-secondary educational institutions. Courses that the student completed in order to be entitled to study or to gain general or special eligibility for university admission are excluded from this. A total of 6 ECTS credits must be obtained from the available options.
- (2) In the case of courses that have been completed at other recognised domestic or international post-secondary educational institutions, the responsible university body will decide whether recognition as an option can be justified academically or with regard to professional activities for the chosen programme of study.

Section 11 Courses with a limited number of participants

- (1) The maximum number of participants permitted on each of the following courses is as follows:
 - Lecture with workshop (VC): 30
 - Workshop (KS): 30
 - Practical work (PR): 15
 - Seminar (SE): 15
 - Private tutorial (PV): 15
 For courses from other curricula, the maximum numbers defined in the respective curricula apply.
- (2) If the number of applications for these courses exceeds the number of places available, students will be accepted in accordance with the following procedure:
 - (a) Students for whom the course is a required subject or elective in their curriculum are given priority.
 - (b) If the number of applications still exceeds the number of available places, the students are ordered based on the already acquired ECTS credits for the curriculum that stipulates the course in question as a required subject/ elective. Courses completed from other programmes of study are not taken into account during this process. If the number of ECTS credits is the same, students will be drawn at random.
- (3) Depending on the financial resources available, parallel courses may be offered for the course in question.

Section 12 Master's thesis

- (1) The Master's thesis is an academic paper that demonstrates the student's ability to achieve adequate standards of content and methodology when independently addressing scholarly topics. The assignment for the Master's thesis shall be chosen in such a way that it is reasonable to expect a student to complete it within six months. A number of students may jointly address a topic, provided that the performance of individual students can be assessed.
- (2) The topic for the Master's thesis should have a thematic link to information management and must be selected from one of the required subjects or electives (Section 9 para. 3 and para. 4).
- (3) The Master's thesis comprises 24 ECTS credits. In addition to the Master's thesis, a research seminar totalling at least 2 ECTS credits must be completed. Here, the student has to choose the seminar offered by his/her thesis supervisor.
- (4) Pursuant to Part B, Section 18, para. 4 and 2a of the Statute, the topic and the Master's thesis supervisor must be approved by the Rector of Studies. The application must be made prior to starting work. The student is permitted to change supervisor up until the time the Master's thesis is submitted. Supervision by two persons who are authorised to supervise shall be permissible on a case-by-case basis, where there is good reason to do so (interdisciplinary focus of the topic).
- (5) The completed Master's thesis must be submitted to the Rector of Studies in electronic format. On the request of the supervisor, the author must provide them with a bound copy of the thesis. The supervisor will have two months from the date of submission to assess the Master's thesis.
- (6) The (expected) results of the Master's thesis must be presented as part of the Master's thesis seminar.

Section 13 Regulations related to completing relevant work experience

- (1) During the course of the Master's degree programme, students can complete relevant work experience in a domestic or international company to try out and apply in practice the knowledge and skills they have gained. The internship must not be completed in the last registered semester.
- (2) The internship should ideally be a guided project. The practical project/work experience placement requires the approval of a supervising university tutor.
- (3) The work experience must last at least 10 weeks. It is worth 15 ECTS credits.
- (4) Working students can also complete the work experience at their place of work, provided it is a self-contained project and the other provisions of the curriculum are met.
- (5) Following the internship, and at the latest by the second subsequent semester, a seminar totalling 1 ECTS credit (1 semester hour) for the cross-project review must be attended, in which the experience gained is discussed in a presentation and a written report and reflected upon scientifically.
- (6) Students are advised to complete the work experience during the second or third semester of the Master's degree programme.

Section 14 Use of languages other than English

As a rule, the courses and oral and written examinations for the Master's degree programme in Information Management will be held and taken in English; the Master's thesis must be written in English.

Section 15 Examination regulations

- (1) To graduate from the Master's degree programme in Information Management, students are required to successfully complete the following course components:
 - a) The course examinations (para. 2 and 3)
 - b) The modular examination in the specialist course for Specialisation in Business Economics (para. 5), where applicable,
 - c) Work experience (para. 4) where selected,
 - d) A pass for the Master's thesis
 - e) The final comprehensive oral examination before a committee according to para. 6.
- (2) The evaluation of the required subjects according to Section 8, the electives according to Section 9, para. 3 and 4, Section 9, para. 5(7.2 and 7.3) and the options according to Section 10 is carried out in the form of course examinations.
- (3) Lecture examinations take place at the end or after the lecture in the form of a one-off examination. Lectures with workshop (VC), workshops (KS), seminars (SE) and private tutorials (PV) are subject to ongoing assessment; attendance is compulsory. In addition, students are expected to actively contribute to discussions and reflective activities, as well as examinations, written work and/or oral presentations. Attendance at interactive lectures (VI) is not compulsory, however interaction between the lecturers and students via e-learning platforms is compulsory. Pursuant to the Statute, the course lecturer must inform the students about the examination and evaluation methods for the course before each semester begins.
- (4) The internship is graded, according to Section 9, para. 5(7.1), as "successfully completed" in the event of a positive assessment and "unsuccessfully completed" in the event of a negative assessment. The same grading method is to be applied to the "Cross-Project Review" course.
- (5) If required in the selected specialisation course for Specialisation in Business Economics Section 9 para. 4, the students must demonstrate their specialist knowledge within the scope of a written or oral modular examination. In order to take the modular examination, students must have successfully completed the associated courses with ongoing assessment.
- (6) The comprehensive oral examination before a committee takes place in front of a three-person examination committee. It covers:
 - a) The subject that the topic of the Master's thesis falls under (in the form of a presentation and defence of the Master's thesis).
 - b) Another subject from the Master's degree programme which has to be selected from exactly one of the following subjects and is different to point a):
 - Informatics (Section 8)
 - Information Systems (Section 8)

- Information and IT Management (Section 8)
 - Specialisation in Information Management (Section 9 para. 3)
 - A specialist subject from Specialisation in Business Economics (Section 9 para. 4(6.1 - 6.7))
- (7) Registration for the comprehensive oral examination before a committee is dependent upon passing the requirements specified in para. 1, point a - d.
- (8) The regulations of the Statute of the University of Klagenfurt, Part B: Study Regulations and the Universities Act as amended from time to time apply to the convening and composition of the examination committee and the processing and repetition of examinations.
- (9) Examinations that have already been used for the completion of studies regarded as admission requirements cannot be used again to complete the programme of studies in the Master's degree programme.

Section 16 Entry into force

This curriculum will enter into force after announcement in the University of Klagenfurt university bulletin as of 1 October 2019 and will apply to all students who commence their Master's degree programme from the 2019/2020 winter semester onwards.

Section 17 Transitional provisions

- (1) Students who began their Master's degree programme before the 2019/20 winter semester are able to complete their programme of study in line with the previously applicable regulations within a period corresponding to the intended duration of study plus one semester, i.e. by no later than 30 April 2022. If the programme of study is not completed within the appointed period of notice, the student will be subject to the new curriculum for the further programme of study. Furthermore, students can voluntarily agree to study under the new curriculum at any time.
- (2) Specific regulations relating to the equivalence of examinations from the previously applicable and modified curriculum can be found in Appendix 1 (equivalence tables).
- (3) Students who, after expiry of the transition period according to Para. 1, are subject to the new curriculum are entitled to complete the Master's thesis in German.

Appendix 1: Non-binding recommended route for orientation and planning purposes

The described route is non-binding and is purely for orientation and planning purposes. The choice of courses may also result in a different, individual route. Changes are also possible due to any changes to the offerings for the semester. The 1st semester is the winter semester.

Route if internship is chosen

Subject/course	1st semester ECTS credits	2nd semester ECTS credits	3rd semester ECTS credits	4th semester ECTS credits
1.1 Data Engineering	4			
1.2 Fundamentals of Knowledge Engineering	4			
1.3 Advanced Software Engineering	4			
2 Information Systems	4	4	4	
3 Information and IT Management	4	4	4	
4 Complementary Skills			4	
5 Specialisation in Information Management	4	4	8	
6 Specialisation in Business Economics	4	4	4	4
7.1.1 Internship		15		
7.1.2 Cross-Project Review			1	
8 Optional Subjects	2		4	
9 Master's thesis (incl. research seminar)				26
Total	30	31	29	30

Route if Advanced Social and Academic Skills is chosen

Subject/course	1st semester ECTS credits	2nd semester ECTS credits	3rd semester ECTS credits	4th semester ECTS credits
1.1 Data Engineering	4			
1.2 Fundamentals of Knowledge Engineering	4			
1.3 Advanced Software Engineering	4			
2 Information Systems	4	4	4	
3 Information and IT Management	4	4	4	
4 Complementary Skills			4	
5 Specialisation in Information Management	4	4	8	
6 Specialisation in Business Economics	4	4	4	4
7.2 Advanced Social and Academic Skills 1 + 2	4	8	4	
8 Optional Subjects		6		

9 Master's thesis (incl. research seminar)				26
Total	32	30	28	30

Route if supplementary subject is taken

Subject/course	1st semester ECTS credits	2nd semester ECTS credits	3rd semester ECTS credits	4th semester ECTS credits
1.1 Data Engineering	4			
1.2 Fundamentals of Knowledge Engineering	4			
1.3 Advanced Software Engineering	4			
2 Information Systems	4	4	4	
3 Information and IT Management	4	4	4	
4 Complementary Skills			4	
5 Specialisation in Information Management	4	4	8	
6 Specialisation in Business Economics		4	8	4
7.3 Supplementary Subject	8	8		
8 Optional Subjects		6		
9 Master's thesis (incl. research seminar)				26
Total	32	30	28	30

Route if a study period abroad is chosen

Subject/course	1st semester ECTS credits	2nd semester ECTS credits	3rd semester ECTS credits	4th semester ECTS credits
1.1 Data Engineering	4			
1.2 Fundamentals of Knowledge Engineering	4			
1.3 Advanced Software Engineering	4			
2 Information Systems	4	8		
3 Information and IT Management	4	8		
4 Complementary Skills		4		
Semester abroad/mobility (Section 6)			32	
6 Specialisation in Business Economics	4	8		4
8 Optional Subjects	4	2		
9 Master's thesis (incl. research seminar)				26
Total	28	30	32	30